

## Aircraft Health Monitoring (AHM) Panel Discussion



#### **AHM Panelists**

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Digital Transformation and Aviation Specialist

#### Sebastian Lang - *Lufthansa Technik*

Head of Customer Development Asia Pacific, Digital Fleet

#### David Marty – *Airbus*

Head of Digital Solutions, Sales & Marketing

## Panel Moderator

#### Dragos Budeanu – *IATA*

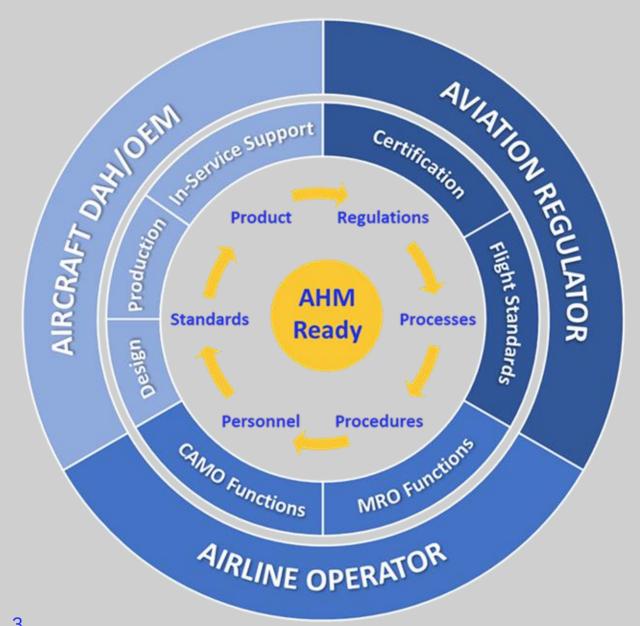
Senior Manager, Engineering & Maintenance

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### **AHM Readiness Circles**

- Aggregated stakeholder • plurality and multi-function pursuit involving equal-weight elements
- Success is conditioned by the  ${\bullet}$ simultaneous rate of progression



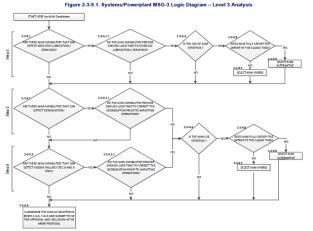
# Sample of AHM Focused Docs



#### From Aircraft Health Monitoring to Aircraft Health Management White Paper on AHM – Position Updates



hroughout the service life of the aircraft.
The Original Equipment Manufacturer (OEM) must clearly identify AHM system configuration (e.g. Mod No., Dption No., dash-Number) and respective AHM functionality within the AHM analysis worksheet in sufficient letail to allow the working groups to answer all questions associated with the logic flow.
Figure 2-3-9.1. Systems/Powerplant MSG-3 Logic Diagram – Level 3 Analysis



ATA MSG-3 Volume 1, Revision 2022.1

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#### 2. Step 1

Box 2-3-9.1: ARE THERE AHM CAPABILITIES THAT CAN DETECT NEED FOR LUBRICATION / SERVICING?

Parameter(s) indicating (directly or indirectly) the need for lubrication / servicing must be available to AHM.

Box 2-3-9.1.1: DO THE AHM CAPABILITIES PROVIDE ENOUGH LEAD TIME TO SCHEDULE LUBRICATION / SERVICING?

The AHM must provide timely awareness to the operator before the loss of the function in order to allow the LUB/SVC task to be scheduled at the next convenient opportunity.

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Advisory Circular
Date: 7/8/22 AC No: 43-218   Initiated by: AFS-300 Change:
IRCULAR (AC). Aircraft health monitoring for a transmission, and data analysis to provide performance and structural condition. The result is ss determinations that provide economic noing operational safety. This end-to-end process is lanagement (IAHM). This AC provides guidance ogram. This AC describes an acceptable means, a the applicable sections of Title 14 of the Code of er, if you use the means described in this AC to ti n all important respects. This guidance is not II not be relied upon by the Federal Aviation sis for affirmative enforcement action or other th the guidance is voluntary only and d obligations under existing statutes and
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## **Searching for Answers Regarding**





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MVP = Minimum Viable Product MSG = Maintenance Steering Group (Standard)

### Thank you!

## Audience questions?



